

Resource Summary Report

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Neuro-2a

RRID:CVCL_0470

Type: Cell Line

Proper Citation

(TKG Cat# TKG 0509, RRID:CVCL_0470)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_0470

Proper Citation: (TKG Cat# TKG 0509, RRID:CVCL_0470)

Sex: Male

Defining Citation: [PMID:11470893](#), [PMID:14504404](#), [PMID:19903493](#), [PMID:25193168](#), [PMID:25277546](#), [PMID:25565633](#)

Comments: Miscellaneous: STR profile from personal communication of Rodriguez-Tarduchy Segovia, Gemma., Omics: SNP array analysis., Omics: Deep proteome analysis., Characteristics: Capable of differentiating into various types of neurons.

Category: Cancer cell line

Name: Neuro-2a

Synonyms: NEURO-2A, Neuro 2a, Neuro2a, Neuro2A, N-2a, N2a, N2A, Nb2a, NB2a

Cross References: BTO:BTO_0001976, CLO:CLO_0008154, CLO:CLO_0050180, EFO:EFO_0022756, MCCL:MCC:0000368, CLDB:cl3682, CLDB:cl3683, CLDB:cl3684, CLDB:cl3685, CLDB:cl4956, CLDB:cl5236, Abcam:ab279975, ATCC:CCL-131, BCRC:60026, BCRJ:0189, BioGRID_ORCS_Cell_line:1373, CCLV:CCLV-RIE 0132, CCRID:1101MOU-PUMC000291, CCRID:3101MOUSCSP5035, CCRID:3101MOUTCM29, CCRID:4201MOU-CCTCC00162, CCTCC:GDC0162, ChEMBL-Cells:ChEMBL3307521, ChEMBL-Targets:ChEMBL614062, CLS:400394, DSMZ:ACC-148, DSMZCellDive:ACC-148, ECACC:89121404, ICLC:ATL99007, IZSLER:BS TCL 128, JCRB:IFO50081, KCB:KCB 2014025YJ, Lonza:451, PRIDE:PXD000065, PRIDE:PXD002290, PRIDE:PXD018875, PubChem_Cell_line:CVCL_0470, RCB:RCB2639, TKG:TKG 0509, TOKU-E:2746, TOKU-E:3552, TOKU-E:3563, Wikidata:Q18391478

ID: CVCL_0470

Vendor: TKG

Catalog Number: TKG 0509

Record Creation Time: 20250131T202105+0000

Record Last Update: 20250131T203910+0000

Ratings and Alerts

No rating or validation information has been found for Neuro-2a.

No alerts have been found for Neuro-2a.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 1825 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Qin Y, et al. (2025) Reduced mesencephalic astrocyte-derived neurotrophic factor expression by mutant androgen receptor contributes to neurodegeneration in a model of spinal and bulbar muscular atrophy pathology. *Neural regeneration research*, 20(9), 2655.

Yao J, et al. (2025) FUBP3 mediates the amyloid- β -induced neuronal NLRP3 expression. *Neural regeneration research*, 20(7), 2068.

Hayashi S, et al. (2024) OLIG2 translocates to chromosomes during mitosis via a

temperature downshift: A novel neural cold response of mitotic bookmarking. *Gene*, 891, 147829.

Stavsky A, et al. (2024) Synapsin E-domain is essential for γ -synuclein function. *eLife*, 12.

Dai W, et al. (2024) Nucleoporin Seh1 controls murine neocortical development via transcriptional repression of p21 in neural stem cells. *Developmental cell*, 59(4), 482.

Guo R, et al. (2024) Engineered IscB- γ RNA system with improved base editing efficiency for disease correction via single AAV delivery in mice. *Cell reports*, 43(11), 114973.

Gong X, et al. (2024) NU7441, a selective inhibitor of DNA-PKcs, alleviates intracerebral hemorrhage injury with suppression of ferroptosis in brain. *PeerJ*, 12, e18489.

Nolan ND, et al. (2024) CRISPR editing of anti-anemia drug target rescues independent preclinical models of retinitis pigmentosa. *Cell reports. Medicine*, 5(4), 101459.

Zou W, et al. (2024) Lysosomal dynamics regulate mammalian cortical neurogenesis. *Developmental cell*, 59(1), 64.

Sui B, et al. (2024) Lyssavirus matrix protein inhibits NLRP3 inflammasome assembly by binding to NLRP3. *Cell reports*, 43(7), 114478.

Moreno-Aguilera M, et al. (2024) KIS counteracts PTBP2 and regulates alternative exon usage in neurons. *eLife*, 13.

Madhavan SS, et al. (2024) γ -hydroxybutyrate is a metabolic regulator of proteostasis in the aged and Alzheimer disease brain. *Cell chemical biology*.

O'Brien BCV, et al. (2024) The human α 7 nicotinic acetylcholine receptor is a host target for the rabies virus glycoprotein. *Frontiers in cellular and infection microbiology*, 14, 1394713.

Wang Y, et al. (2024) BACH1 changes microglial metabolism and affects astrogenesis during mouse brain development. *Developmental cell*, 59(1), 108.

Li D, et al. (2024) Aging-induced tRNAGlu-derived fragment impairs glutamate biosynthesis by targeting mitochondrial translation-dependent cristae organization. *Cell metabolism*.

Herbst C, et al. (2024) Heterozygous loss-of-function variants in DOCK4 cause neurodevelopmental delay and microcephaly. *Human genetics*, 143(3), 455.

Hagiyama M, et al. (2024) Efficient intracellular drug delivery by co-administration of two antibodies against cell adhesion molecule 1. *Journal of controlled release : official journal of the Controlled Release Society*, 371, 603.

Shin T, et al. (2024) Rare variation in non-coding regions with evolutionary signatures contributes to autism spectrum disorder risk. *Cell genomics*, 4(8), 100609.

Yang J, et al. (2024) Regulatory mechanisms orchestrating cellular diversity of Cd36+

olfactory sensory neurons revealed by scRNA-seq and scATAC-seq analysis. Cell reports, 43(9), 114671.

Van Deusen AL, et al. (2024) A single-cell mass cytometry-based atlas of the developing mouse brain. Nature neuroscience.